		What is claimed is:
1	1.	(10) A chemical dispensing apparatus for use with an air conditioning or heating
2		system to reduce airborne contaminates from the air stream of a conditioned  (16)  (20)
3		space comprising a chemical supply section including a chemical reservoir and
4		a chemical delivery device to store and supply chemical to the contaminated
5		(14) (18) air stream and a dispensing control section including a microprocessor control (29) (14)
6		to selectively control the dispensing of chemical to the contaminated air
7		stream.
1	2.	The chemical dispensing apparatus of Claim 1 wherein said chemical reservoir
2		comprises a chemical storage container and a chemical feed control.
1	3.	(10)  The chemical dispensing apparatus of Claim 2 wherein the chemical delivery
2		section comprises a chemical dispensing device coupled to said chemical  (24)  (30)  storage container by a chemical supply conduit through a chemical flow
3		storage container by a chemical supply conduit through a chemical flow
4		control.
1	4.	( $0$ )  The chemical dispensing apparatus of Claim 3 wherein said chemical flow
2		control comprises a normally closed flow control valve selectively movable
3		between an open position and a closed position coupled to said dispensing
4		control section by a conductor to receive actuating signals therefrom to
5		selectively move from said normally closed position to said open position to $(2A)$
6		allow the chemical to flow from said chemical storage container to the air
7		handler.

		$(10) \qquad (20) \qquad (20)$
1	5.	The chemical dispensing apparatus of Claim 4 wherein said chemical feed dust during (24)
2		control comprises an atomizing nozzle coupled to the chemical storage
3		container.
		(26)
1	6.	The chemical dispensing apparatus of Claim 4 wherein said chemical feed
2		control is a check valve.
1	7.	(10) (34) The chemical dispensing apparatus of Claim 6 further including a blower
2		control to receive control or actuating signals to selectively actuate or
3		energize a blower when chemical is dispensed from said chemical storage
4		container.
1	8.	( $0$ ) (34) The chemical dispensing apparatus of Claim 7 wherein said blower control
2		includes a transformer and blower control relay box.
1	9.	(10)  The chemical dispensing apparatus of Claim 1 wherein said dispensing control section comprises a microprocessor control device including a display to
3		provide a visual display of the system status.
1	10.	(10) The chemical dispensing apparatus of Claim 9 wherein said microprocessor
2		control device controls the operating cycle by the frequency of application and
3		duration of dispensing of the chemical.
1	11.	(36) The chemical dispensing apparatus of Claim 10 wherein said microprocessor (44) (46)
2		control device includes an up control key and a down control key to selectively
3		control said operating cycle.

1	12.	The chemical dispensing apparatus of Claim 9 wherein said microprocessor
- )		control device monitors and records the operation of said chemical dispensing
_		Cond of device months and records the operation of said chemical dispersing
3		apparatus.
1	13.	(10) (36) The chemical dispensing apparatus of Claim 9 wherein said microprocessor
2		control device monitors consumption of chemical.
1	14.	((0) (36) The chemical dispensing apparatus of Claim 13 wherein said microprocessor
2		control devices monitors consumption of chemical through dispensing rate
3		calculations. $ (10) $
1 2	15.	The chemical dispensing apparatus of Claim 14 wherein said displa includes a (29) (20) display of chemical in said reservoir.
1 2	16.	(10)  The chemical dispensing apparatus of Claim 13 wherein said microprocessor (29)  control devices monitors consumption of chemical through a sensor.
1	17.	The chemical dispensing apparatus of Claim 16 wherein said displa includes a (29) (29) display of chemical in said reservoir.
1 2	18.	(10) The chemical dispensing apparatus of Claim 15 wherein the chemical may be $(40)$ manually dispensed by pressing a program mode key and then pressing a
3		manual injection key